

COPPER TAPE

HIGH CONDUCTIVITY COPPER TAPE

Southern Cable offers a comprehensive range of copper conductors as component of earthing or structural lighting protection system. The product of High Conductivity Copper Tape is produced to BS EN 13601 (formerly BS 1432). Refer to the following details specification.

Standard / Specification

The following standards and specification shall be applied.

No	Description	Unit	Requirement
1	TOLERANCE ON DIMENSIONS AND SHAPE		
	Thickness and Width		
1.1	Nominal Thickness (y)	mm	3 ± 0.03
1.2	Nominal Width (x)	mm	25 ± 0.10
1.3	TEMPER		SOFT
2	MECHANICAL PROPERTIES		
2.1	Tensile Strength	N/m ²	min: 210, max:250
2.2	Elongation	%	>35
3	CHEMICAL COMPOSITION AND MATERIAL		
3.1	Copper	%	>99.95
3.2	Silver	%	(for copper plus silver)
3.3	Bismuth	%	<0.0010
3.4	Lead	%	<0.005
4	ELECTRICAL CONDUCTIVITY at 20°C	% IACS	>100
5	EMBOSSING		
	SOUTHERN BS EN 13601		
6	PACKING	kg/coil	55 ± 5

No	Description	Unit	Requirement
1	TOLERANCE ON DIMENSIONS AND SHAPE		
	Thickness and Width Conductor		
1.1	Nominal Thickness (y)	mm	3 ± 0.33
1.2	Nominal Width (x)	mm	25 ± 0.10
1.3	TEMPER		SOFT
	Thickness Insulation (PVC)		
1.4	Nominal Thickness	mm	1.4
2	MECHANICAL PROPERTIES		
2.1	Tensile Strength	N/m ²	min:210, max: 250
2.2	Elongation	%	>35
3	CHEMICAL COMPOSITION AND MATERIAL		
3.1	Copper	%	
3.2	Silver	%	(for copper plus silver)
3.3	Bismuth	%	<0.0010
3.4	Lead	%	<0.005
4	ELECTRICAL CONDUCTIVITY at 20°C	% IACS	>100
5	EMBOSSING		
	SOUTHERN BS EN 13601		
6	PACKING	kg/coil	55 ± 5

